

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-175734
(43)Date of publication of application : 13.07.1993

(51)Int.Cl. H03D 3/00
G11B 20/06

(21)Application number : 03-342656 (71)Applicant : MATSUSHITA ELECTRIC IND CO LTD
(22)Date of filing : 25.12.1991 (72)Inventor : KIMURA TOMONOBU

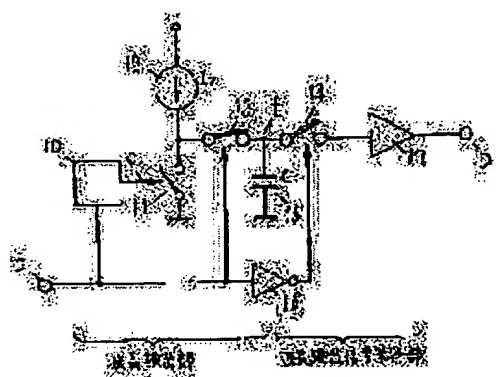
(54) FM DEMODULATOR

(57)Abstract:

PURPOSE: To provide the FM demodulator easily integrated with simple circuit configuration by using a prescribed short range among detection ranges of a wavelength detector from which a signal of a period for each half wavelength of an input FM signal is outputted.

CONSTITUTION: A wavelength detection section generates a signal used to drive a reset switch SW11, a wavelength detection SW13 and a hold SW14 from an input signal. A wavelength detection signal voltage in response to a length from the leading till the trailing of the input signal is generated from a hold capacitor 15 driven by the drive signal from the SWs 11, 13 when the input signal falls down.

Moreover, the SW 14 holds and outputs the wavelength detection signal. A voltage VC across the capacitor 15 is $I_0/2CF$, where I_0 is a current from a constant current source, C is a capacitance of the capacitor 15, and F is a frequency of the input signal. The relation of $\Delta VC = -(I_0/2C)\Delta F$ is in existence for a narrow frequency ΔF in the input frequency F, and then FM demodulation is attained by limiting the input frequency F into the narrow frequency range.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision]

of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office